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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/662,083	09/15/2003	Jie Liu	132096	8856	
75	90 05/31/2006		EXAM	EXAMINER	
GENERAL ELECTRIC COMPANY ( PCPI)			ERDEM,	ERDEM, FAZLI	
C/O FLETCHE	R YODER				
PO BOX 69228	9		ART UNIT	PAPER NUMBER	
HOUSTON, T	X 77269-2289		2826		
			DATE MAILED: 05/31/2004	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

			H·A
M	Application No.	Applicant(s)	
	10/662,083	LIU ET AL.	
Office Action Summary	Examiner	Art Unit	
	Fazli Erdem	2826	
The MAILING DATE of this communication a	appears on the cover sheet	vith the correspondence addre	ss
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MO tute, cause the application to become	ICATION.  The reply be timely filed  ENTHS from the mailing date of this community  ABANDONED (35 U.S.C. § 133).	·
Status			
Responsive to communication(s) filed on <u>01</u> This action is <b>FINAL</b> . 2b) ☑ T      Since this application is in condition for allow closed in accordance with the practice unde	his action is non-final. wance except for formal ma	•	erits is
Disposition of Claims			
4) ☐ Claim(s) 1-44 is/are pending in the application 4a) Of the above claim(s) 19-36 is/are withdrest is/are allowed.  5) ☐ Claim(s) 18 is/are allowed.  6) ☐ Claim(s) 1-3,5-10,14-16, 37-39 and 41-44 is/37) ☐ Claim(s) 4,11-13,17 and 40 is/are objected is/are subject to restriction and	rawn from consideration. s/are rejected. to.		
Application Papers			
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and a specificant may not request that any objection to the Replacement drawing sheet(s) including the correct of the oath or declaration is objected to by the	ccepted or b) objected to be drawing(s) be held in abeyone oction is required if the drawing	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1	` ′ 1
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for forei  a) All b) Some * c) None of:  1. Certified copies of the priority docume  2. Certified copies of the priority docume  3. Copies of the certified copies of the priority docume  application from the International Bure  * See the attached detailed Office action for a life	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No n received in this National Sta	ge
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/C Paper No(s)/Mail Date 03/06/2006.	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152	2)

#### **DETAILED ACTION**

## Response to Arguments

Applicant's arguments regarding double patenting final rejection issued on 03/01/2006 have been considered and found to be persuasive. Therefore, the final rejection issued on 03/01/2006 has been withdrawn. However, applicant filed an information disclosure statement on 03/06/2006. Based on that rejection this non-final rejection has been issued.

### Allowable Subject Matter

- 1. Claim 18 allowed.
- 2. Claims 4, 11-13, 17 and 40 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

## Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an

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international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-3, 5-10 and 14-16, 37-39 and 41-44 rejected under 35 U.S.C. 102(e) as being anticipated by Burroughes et al. (6,707,248).

Regarding Claim 1 and 37, , Burroughes et al. disclose opto-electrical devices where in Fig. 2 it is disclosed an electronic device comprising a first electrode 10, a second electrode 11 that comprises a first layer 15 comprising a halide compound of at least a metal selected from the group of alkali metals and alkaline-earth metals and a second layer 17 the comprising an electrically conducing material and at least an electronically active material 12 disposed between the first electrode 10 and second electrode 11.

Regarding Claim 2 and 38, Burroughes et al. disclose that the first layer of the second electrode to be halide compound.

Regarding Claim 3 and 39, Burroughes et al. disclose that the first layer of the second electrode to be fluoride compound.

Regarding Claim 5 and 41, in claim 57, the required thickness is disclosed.

Regarding Claims 6, 7, 42 and 43, the second layer is disclosed to be aluminum

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Regarding Claim 8 and 44, where in claim 59, the required thickness is disclosed.

Regarding Claims 9 and 10, the first electrode 10 is disclosed to be ITO.

Regarding Claims 14-16, the layer 16 on top of the layer 15 is a transparent layer.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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NATHAN J. FLYNN SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800